ABSTRACT

Image data of an original image is compressed and encoded by a JPEG2000 algorithm. A position information adding unit adds, to each tile of the code stream, position information indicating a new position in a changed image to form a new code stream. In this manner, the original image becomes the changed image of the new code stream with all of or a part of contents of the original image being maintained. The changed image is an image of which size is changed from that of the original image, or an image in which a region of the original image is moved.